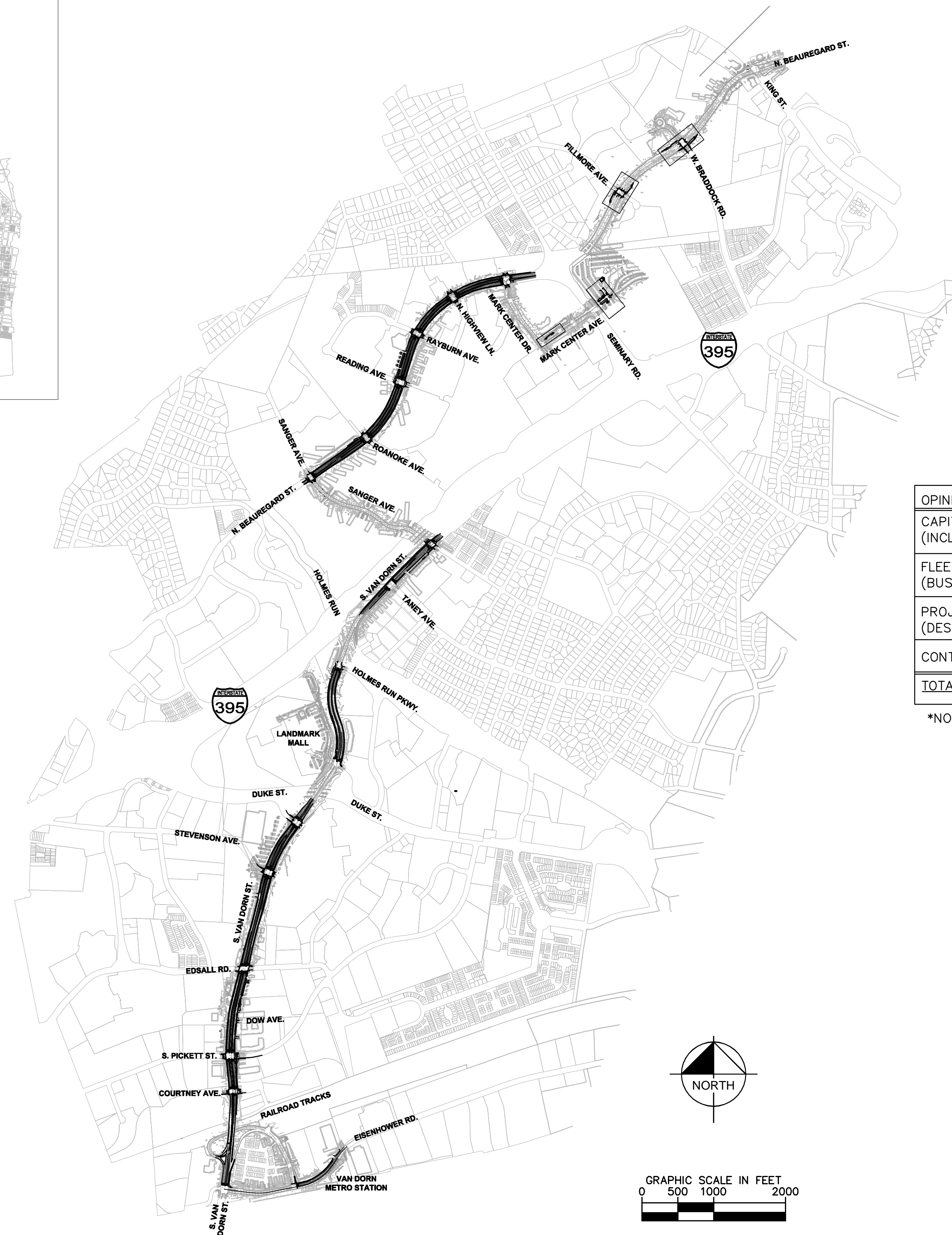


This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

## PROJECT LOCATION MAP

 $1' = 4000'$ 

## PROJECT AREA

THESE PLANS ARE UNFINISHED AND UNAPPROVED  
AND ARE NOT TO BE USED FOR ANY TYPE OF  
CONSTRUCTION, NOR FOR THE ACQUISITION OF  
ANY RIGHT-OF-WAY.

THE CITY OF ALEXANDRIA IS CURRENTLY IN THE PLANNING STAGES OF THE WEST END TRANSITWAY, A BUS RAPID TRANSIT (BRT) CORRIDOR TO RUN BETWEEN THE VAN DORN METRO STATION TO THE SOUTH AND KING STREET AT THE ALEXANDRIA CITY LIMIT TO THE NORTH, ULTIMATELY EXTENDING TO THE PENTAGON METRO STATION IN ARLINGTON COUNTY, VA. THIS PROJECT AIMS TO SERVE THE WEST END OF ALEXANDRIA WITH AN EFFICIENT AND ACCESSIBLE TRANSIT CORRIDOR.

THE CORRIDOR RUNS IN A NORTH-SOUTH ORIENTATION, AND GENERALLY CONSISTS OF TWO GENERAL PURPOSE LANES IN EACH DIRECTION, WITH A CENTER-RUNNING TRANSITWAY SEPARATED BY MEDIANS OF VARYING WIDTH. THIS TRANSITWAY WILL VARY IN COMPOSITION FROM A FULL BI-DIRECTIONAL DEDICATED RUNNINGWAY, TO A SINGLE-DIRECTION DEDICATED RUNNINGWAY, TO SECTIONS WHERE TRANSIT VEHICLES ARE OPERATING IN MIXED TRAFFIC. THE CORRIDOR AS SHOWN IN THESE PLANS IS APPROXIMATELY 4.6 MILES IN LENGTH.

THESE PLANS HAVE BEEN DEVELOPED IN CONJUNCTION WITH THE ALTERNATIVES ANALYSIS AND ENVIRONMENTAL ASSESSMENT DOCUMENTS WRITTEN FOLLOWING THE PROJECTS INITIAL FEASIBILITY STUDY. THESE PLANS ARE CONCEPTUAL IN NATURE, AND AS SUCH ARE NOT COMPLETE. THESE PLANS SERVE TO SHOW THE DESIGN AND CONSTRUCTION FEASIBILITY OF THE PROJECT, AND TO DEMONSTRATE THE NATURE OF THE CORRIDOR ONCE IT IS CONSTRUCTED.

OPINION OF PROBABLE PROJECT CAPITAL COSTS	
CAPITAL CONSTRUCTION: (INCLUDES ROADWAY, STATIONS, SYSTEMS, R/W, UTILITIES, ETC.)	\$61.5 TO \$70 MILLION
FLEET: (BUSES, INCLUDING SPARE UNITS)	\$17 TO \$19.5 MILLION
PROJECT DEVELOPMENT: (DESIGN FEES, PERMITTING, LEGAL, SURVEY, TESTING, ETC.)	\$16 TO \$18.5 MILLION
CONTINGENCY:	\$28 TO \$32 MILLION
<b>TOTAL PROJECT COST:</b>	<b>\$122.5 TO \$140 MILLION</b>

\*NOTE: THE OPINION OF COSTS SHOWN WAS DEVELOPED FROM THE CONCEPTUAL DESIGN PLANS INCLUDED HEREIN. DUE TO THE PRELIMINARY NATURE OF THESE PLANS, NOT ALL REQUIRED BID ITEMS FOR CONSTRUCTION ARE ACCOUNTED FOR. THE PLANS AND OPINION OF COST SERVE TO PROVIDE AN APPROXIMATE RANGE OF VALUES FOR THE ITEMS LISTED ABOVE. THESE PLANS ARE NOT APPROVED, ARE NOT FINAL, AND ARE SUBJECT TO CHANGE.

## INDEX OF SHEETS

- 1.1 COVER SHEET  
2.1 GENERAL NOTES  
3.1 GEOMETRIC PLAN SHEET: Eisenhower Ave & S. Van Dorn St.  
3.2 GEOMETRIC PLAN SHEET: S. Van Dorn St.  
3.3 GEOMETRIC PLAN SHEET: S. Van Dorn St.  
3.4 GEOMETRIC PLAN SHEET: S. Van Dorn St.  
3.5 GEOMETRIC PLAN SHEET: S. Van Dorn St.  
3.6 GEOMETRIC PLAN SHEET: N. Beauregard St.  
3.7 GEOMETRIC PLAN SHEET: N. Beauregard St.  
3.8 GEOMETRIC PLAN SHEET: N. Beauregard St. & Southern Towers  
3.9 GEOMETRIC PLAN SHEET: N. Beauregard St.

NOT FOR CONSTRUCTION

WEST END TRANSITWAY  
CONCEPTUAL DESIGN PLANS  
CITY OF ALEXANDRIA, VIRGINIA

COVER SHEET

LIVINGS FROM LEASING

**Kimley»»Horn**

111400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191  
PHONE: 703-674-1300 FAX: 703-674-1350  
WWW.KIMLEY-HORN.COM

71

SHEET NUMBER

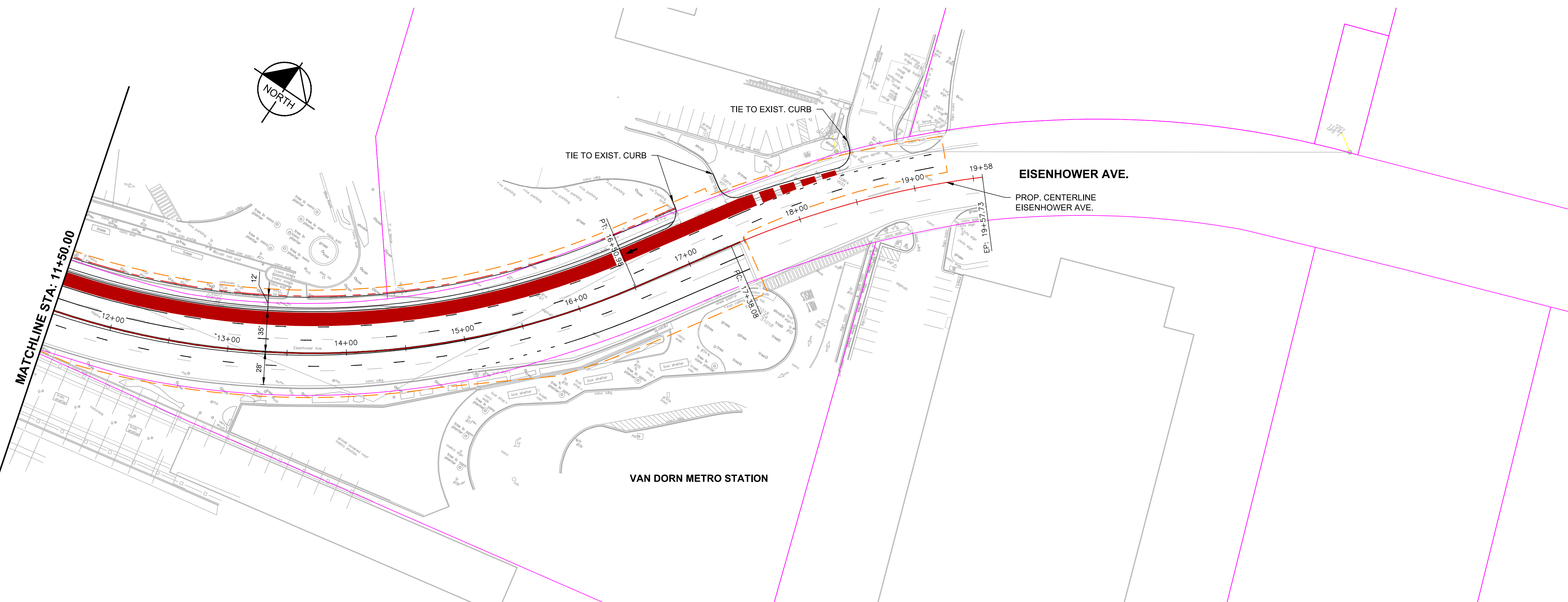
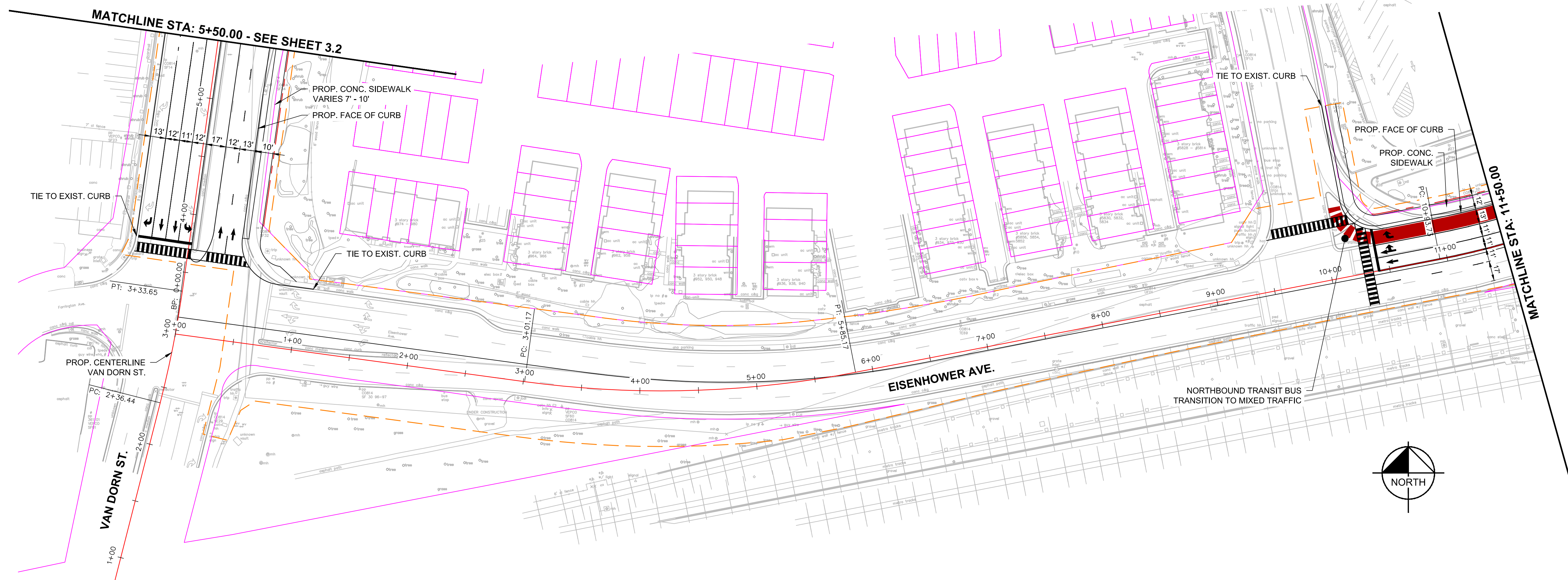
.1 of 1.1







This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



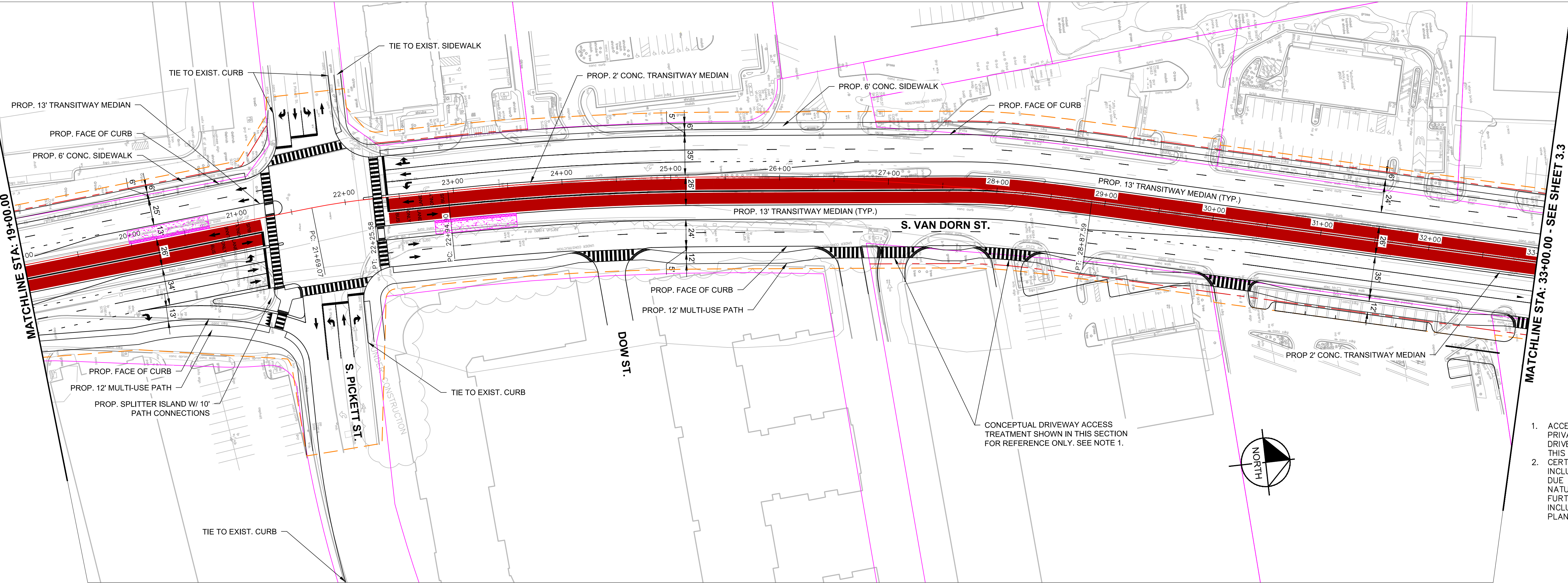
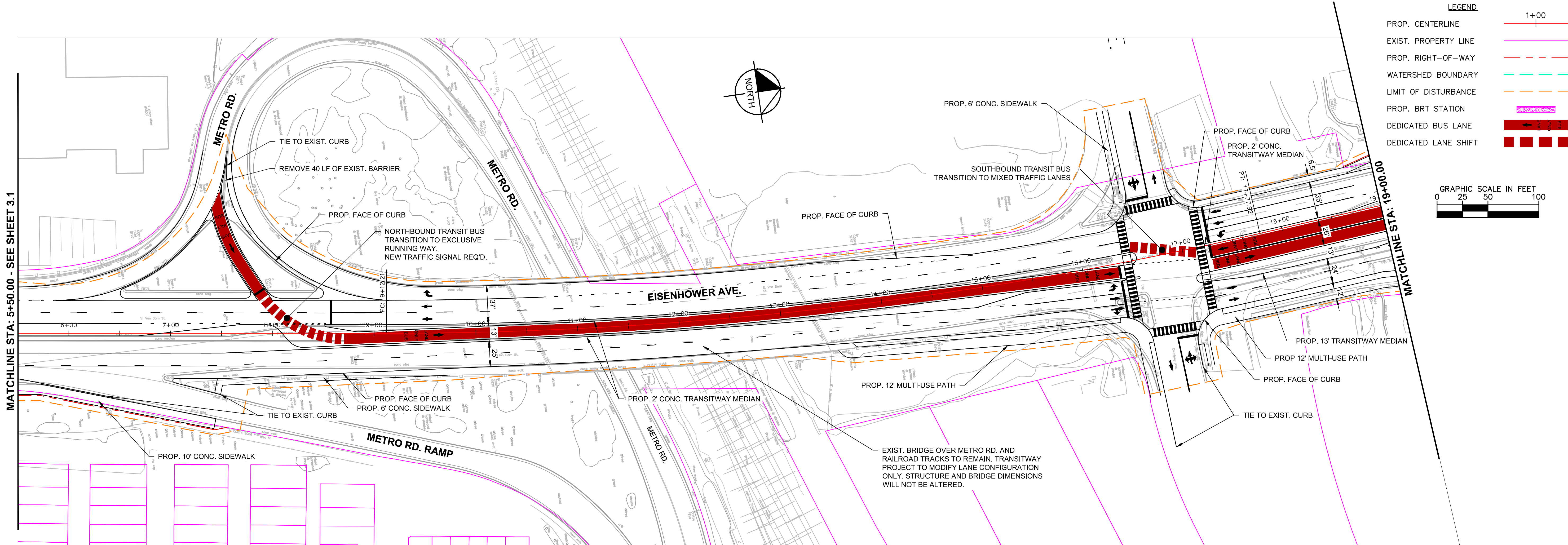
- NOTES
1. ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.
  2. CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

NOT FOR CONSTRUCTION

	SHEET NUMBER <b>3.1 of 3.9</b>	<b>WEST END TRANSITWAY CONCEPTUAL DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA</b>	<b>GEOMETRIC PLAN SHEET EISENHOWER AVE. &amp; VAN DORN ST.</b>	KHA PROJECT 110251003	LICENSED PROFESSIONAL  	<b>Kimley»Horn</b>  11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191 PHONE: 703-674-1300 FAX: 703-674-1350 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY
				DATE 1/21/2016						
				SCALE AS SHOWN						
				DESIGNED BY TD						
				DRAWN BY TD						
				CHECKED BY DW						



This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

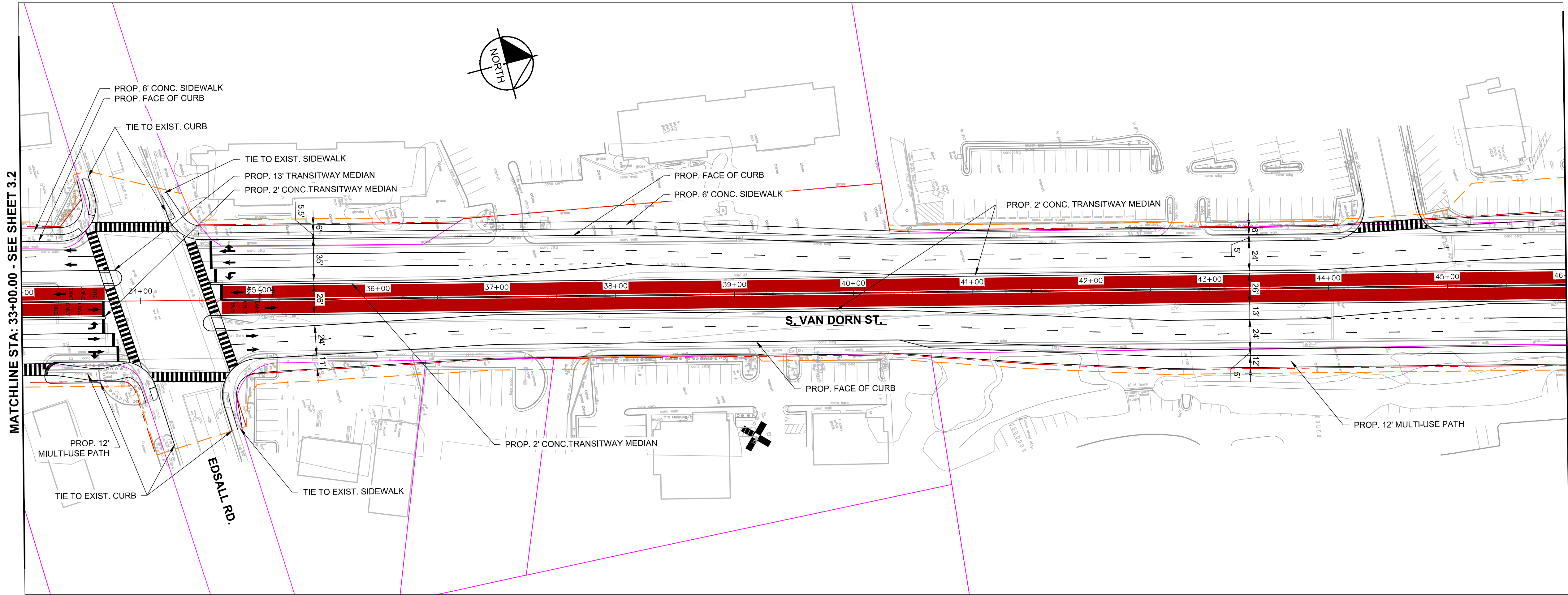
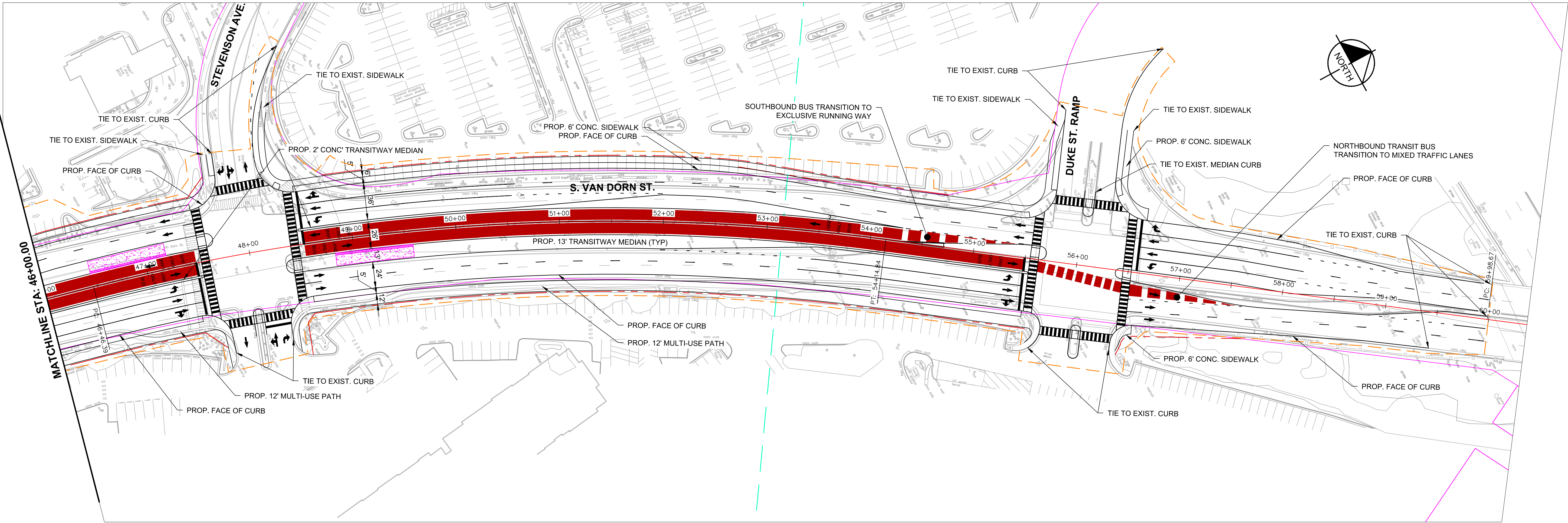


NOT FOR CONSTRUCTION

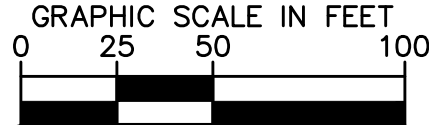
SHEET NUMBER 3.2 of 3.9	WEST END TRANSITWAY PRELIMINARY DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA	GEOMETRIC PLAN SHEET VAN DORN ST.	KHA PROJECT 110251003	LICENSED PROFESSIONAL	Kimley»Horn  11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191 PHONE: 703-674-1300 FAX: 703-674-1350 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY
			DATE 1/19/2016						
			SCALE AS SHOWN						
			DESIGNED BY TD						
			DRAWN BY TD						
CHECKED BY DW	DATE:								



The document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- LEGEND
- PROP. CENTERLINE
  - EXIST. PROPERTY LINE
  - PROP. RIGHT-OF-WAY
  - WATERSHED BOUNDARY
  - LIMIT OF DISTURBANCE
  - PROP. BRT STATION
  - DEDICATED BUS LANE
  - DEDICATED LANE SHIFT



- NOTES
1. ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.
  2. CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

NOT FOR CONSTRUCTION

KHA PROJECT 110251003	DATE 1/19/2016	SCALE AS SHOWN	DESIGNED BY EJD	DRAWN BY EJD	CHECKED BY RDW	DATE:	LICENSED PROFESSIONAL	Kimley»Horn	11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191 PHONE: 703-674-1300 FAX: 703-674-1350 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY
GEOMETRIC PLAN SHEET VAN DORN ST.													
WEST END TRANSITWAY PRELIMINARY DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA													
SHEET NUMBER 3.3 of 3.9													



[illegible]

**LEGEND**

- PROP. CENTERLINE: Solid red line with a vertical tick mark at station 1+00.
- EXIST. PROPERTY LINE: Solid magenta line.
- PROP. RIGHT-OF-WAY: Dashed red line.
- WATERSHED BOUNDARY: Dashed cyan line.
- LIMIT OF DISTURBANCE: Dashed orange line.
- PROP. BRT STATION: A magenta rectangle labeled "BRT STATION" with "PROPOSED" and "EXISTING" text.
- DEDICATED BUS LANE: A solid red rectangle with a black arrow pointing left and the text "BUS LANE".
- DEDICATED LANE SHIFT: Three solid red rectangles.

**GRAPHIC SCALE IN FEET**

0 25 50 100

NOTES

1. ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.
2. CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

[illegible]

**Kimley»»Horn**  
11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191  
PHONE: 703-674-1300 FAX: 703-674-1350  
[WWW.KIMLEY-HORN.COM](http://WWW.KIMLEY-HORN.COM)

DATE	1/19/2016
SCALE	AS SHOWN
DESIGNED BY	EJD
DRAWN BY	EJD
CHECKED BY	RDW
DATE:	

GEOMETRIC PLAN SHEET  
VAN DORN ST.

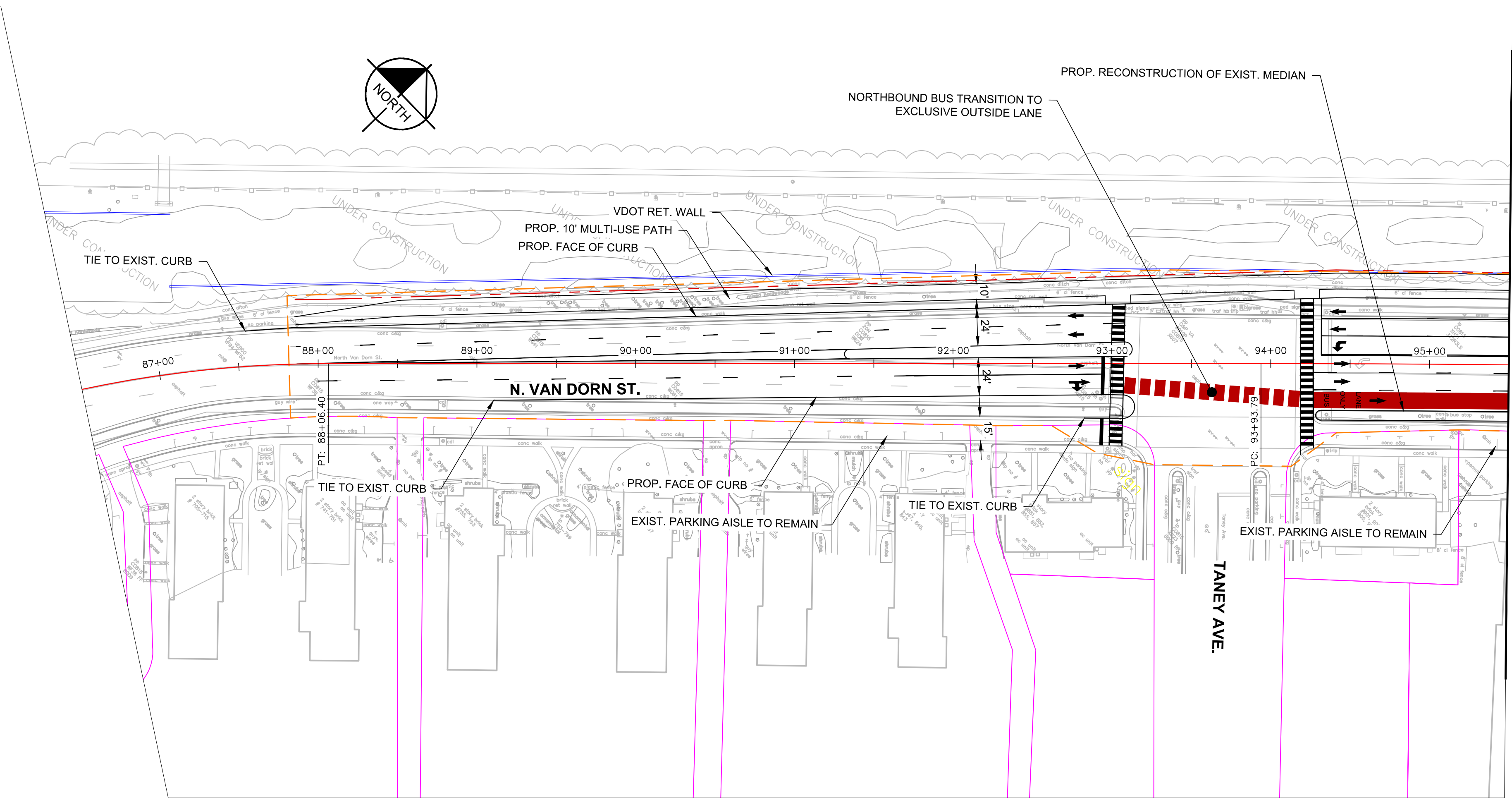
WEST END TRANSITWAY  
PRELIMINARY DESIGN PLANS  
CITY OF ALEXANDRIA, VIRGINIA

SHEET NUMBER  
3.4 of 3.9

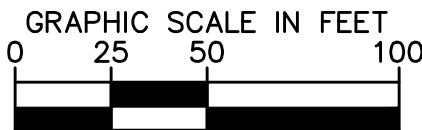
NOT FOR CONSTRUCTION



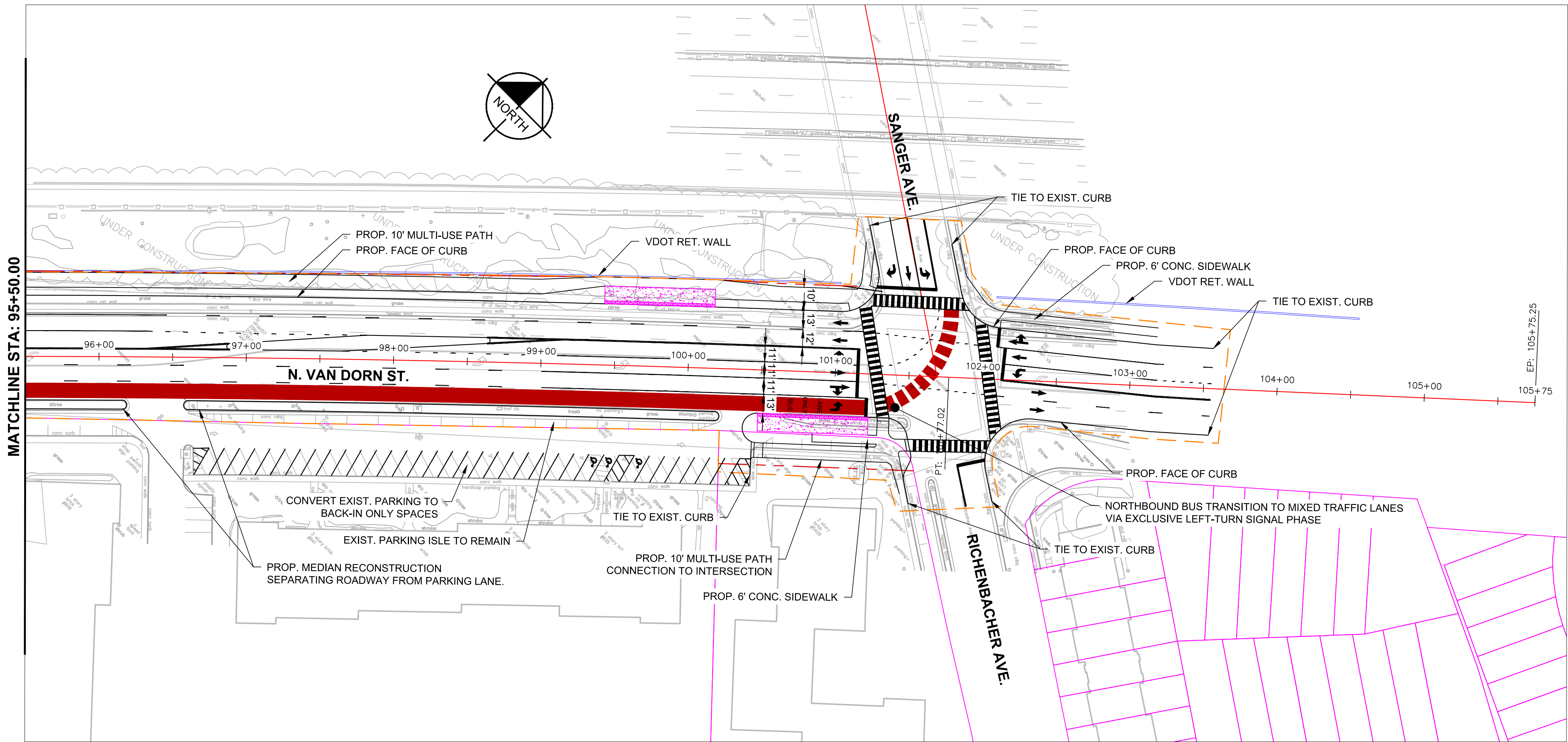
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- LEGEND
- PROP. CENTERLINE
  - EXIST. PROPERTY LINE
  - PROP. RIGHT-OF-WAY
  - WATERSHED BOUNDARY
  - LIMIT OF DISTURBANCE
  - PROP. BRT STATION
  - DEDICATED BUS LANE
  - DEDICATED LANE SHIFT



- NOTES
1. ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.
  2. CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

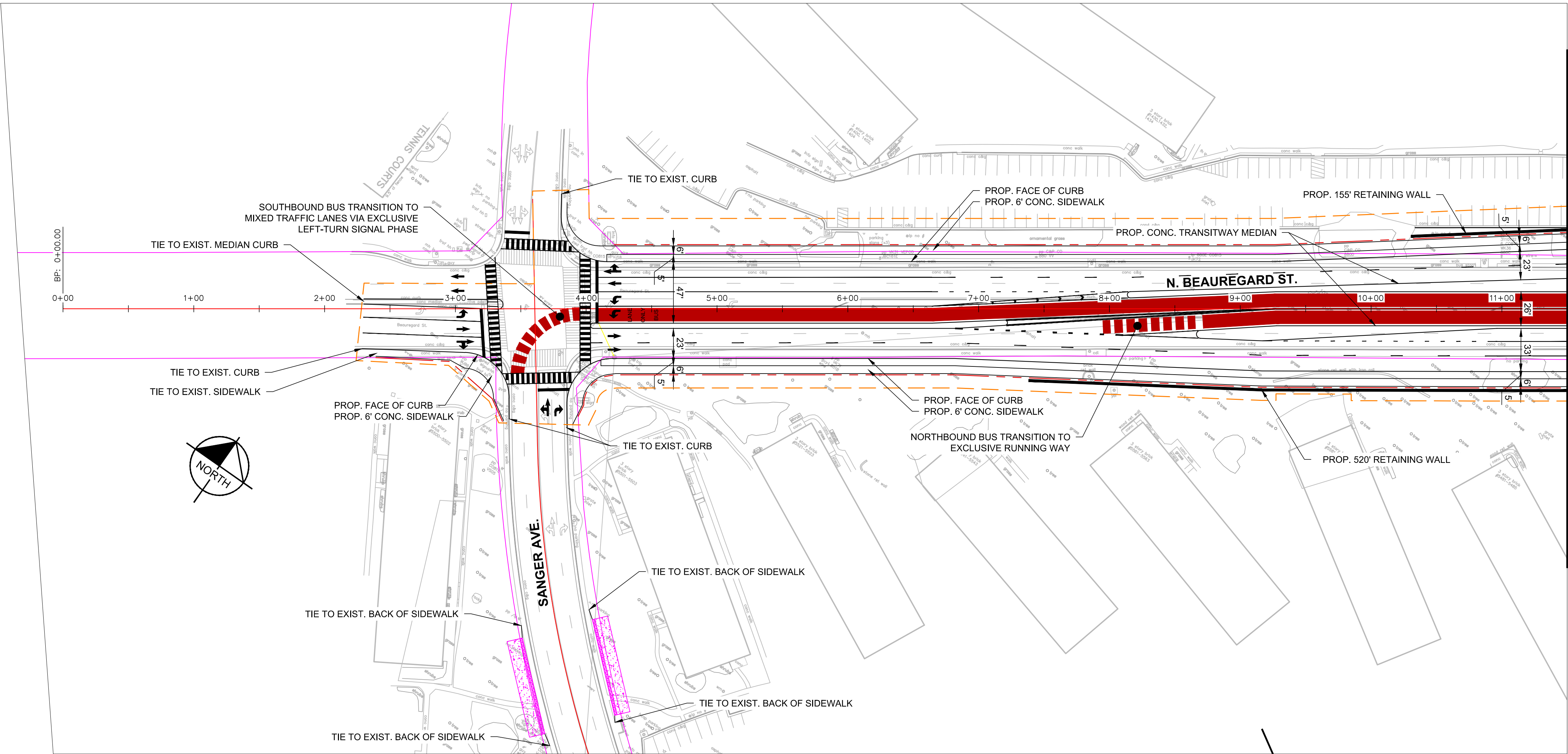


NOT FOR CONSTRUCTION

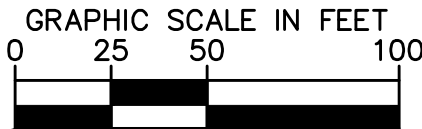
KHA PROJECT 110251003		DATE 2/11/2016		SCALE AS SHOWN		DESIGNED BY EJD		DRAWN BY EJD		CHECKED BY RDW		LICENSED PROFESSIONAL		REVISIONS		BY DATE	
GEOMETRIC PLAN SHEET VAN DORN ST.														WEST END TRANSITWAY CONCEPTUAL DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA			
SHEET NUMBER 3.5 of 3.9																	



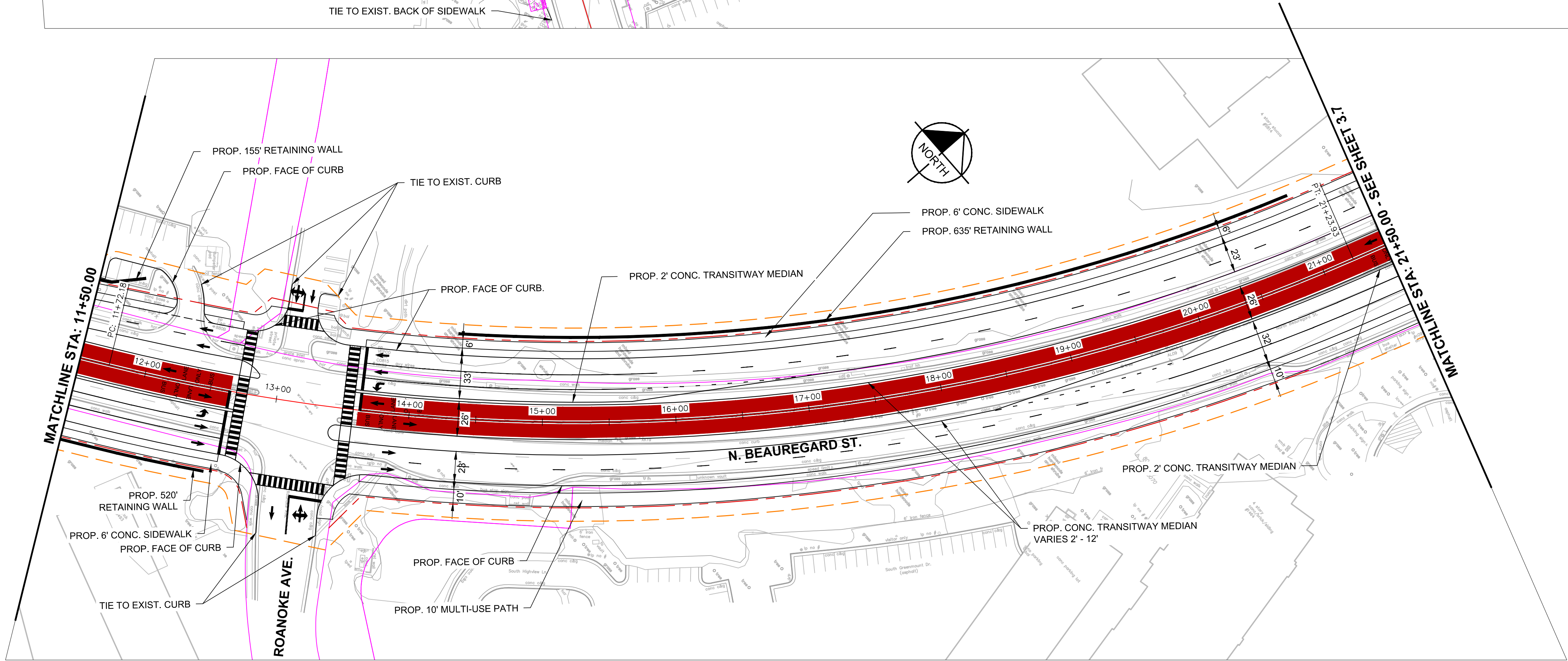
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- LEGEND
- PROP. CENTERLINE
  - EXIST. PROPERTY LINE
  - PROP. RIGHT-OF-WAY
  - WATERSHED BOUNDARY
  - LIMIT OF DISTURBANCE
  - PROP. BRT STATION
  - DEDICATED BUS LANE
  - DEDICATED LANE SHIFT



- NOTES
1. ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.
  2. CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

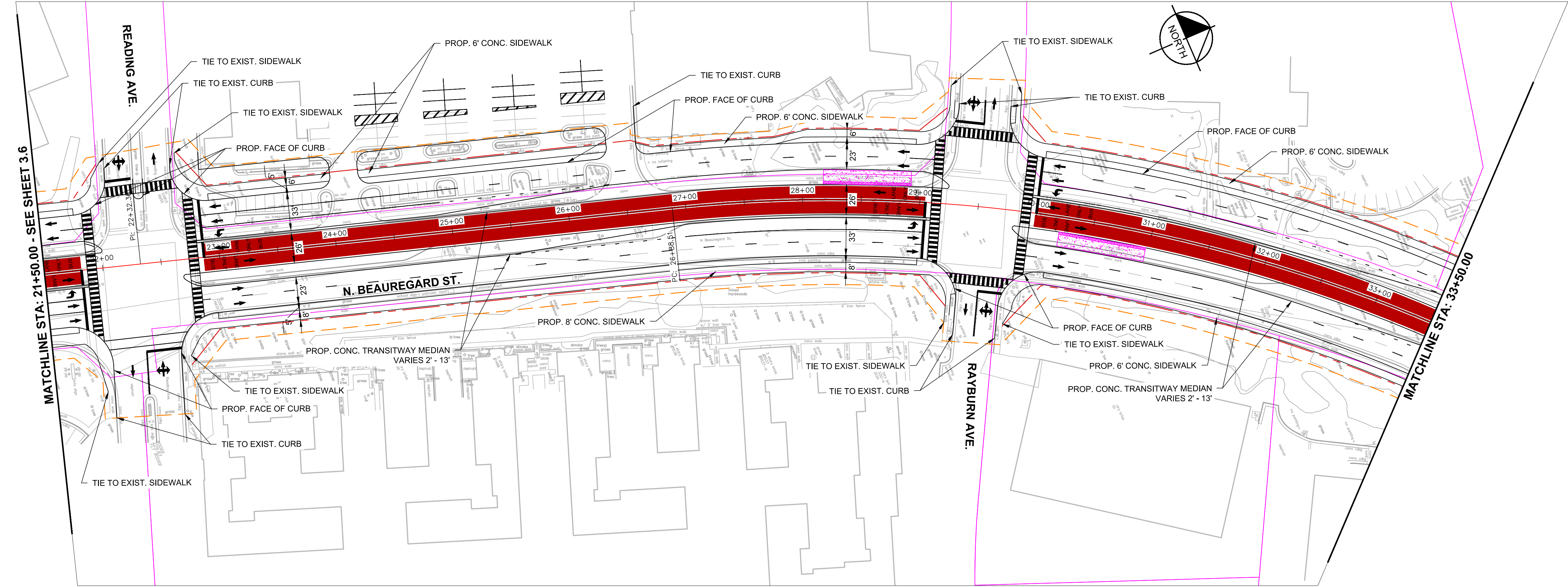
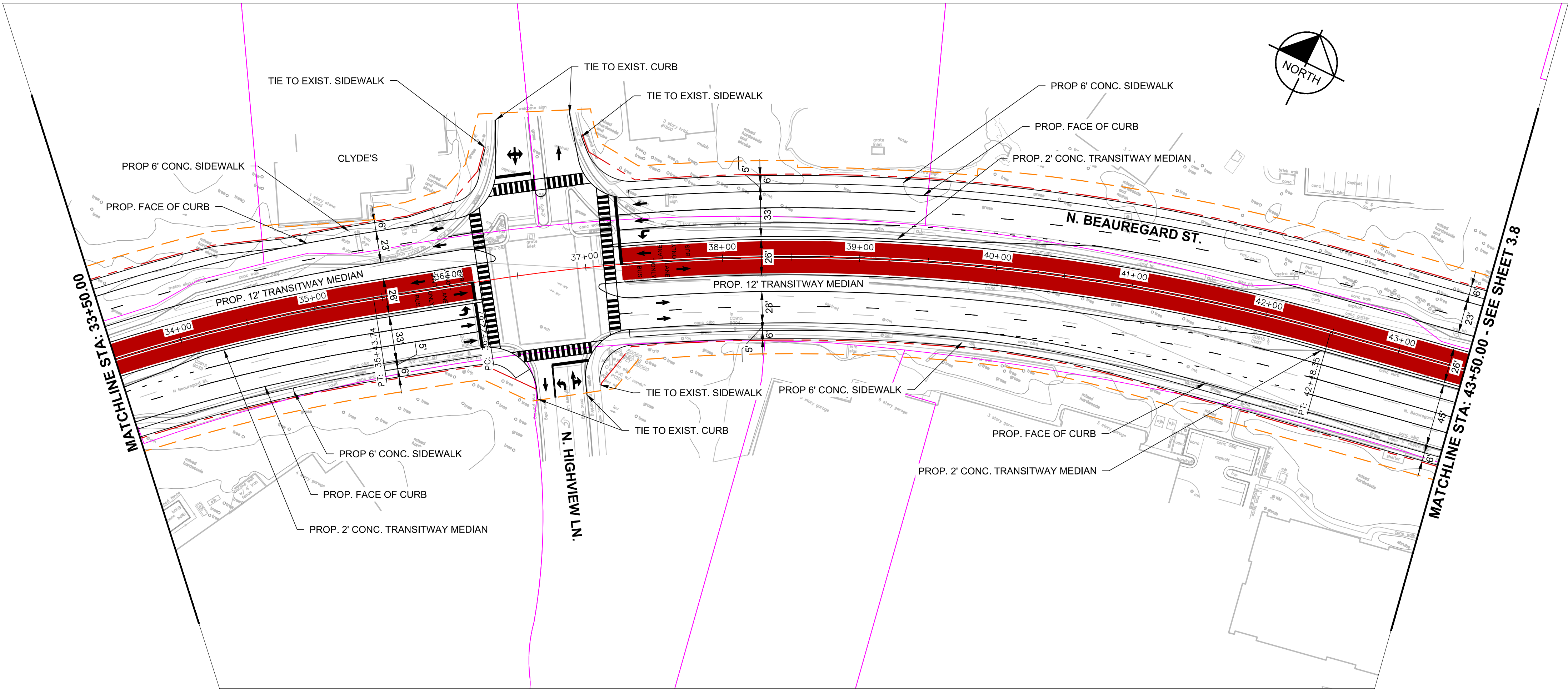


NOT FOR CONSTRUCTION

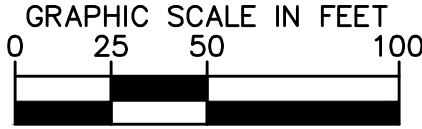
KHA PROJECT 110251003		DATE 1/21/2016		SCALE AS SHOWN		DESIGNED BY EJD		DRAWN BY EJD		CHECKED BY RDW		DATE		BY	
GEOMETRIC PLAN SHEET BEAUREGARD ST.												WEST END TRANSITWAY CONCEPTUAL DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA			
SHEET NUMBER 3.6 of 3.9												REVISIONS			
KIMLEY-HORN												11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191 PHONE: 703-674-1300 FAX: 703-674-1350 WWW.KIMLEY-HORN.COM			



This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- LEGEND
- PROP. CENTERLINE
  - EXIST. PROPERTY LINE
  - PROP. RIGHT-OF-WAY
  - WATERSHED BOUNDARY
  - LIMIT OF DISTURBANCE
  - PROP. BRT STATION
  - DEDICATED BUS LANE
  - DEDICATED LANE SHIFT



- NOTES
1. ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.
  2. CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

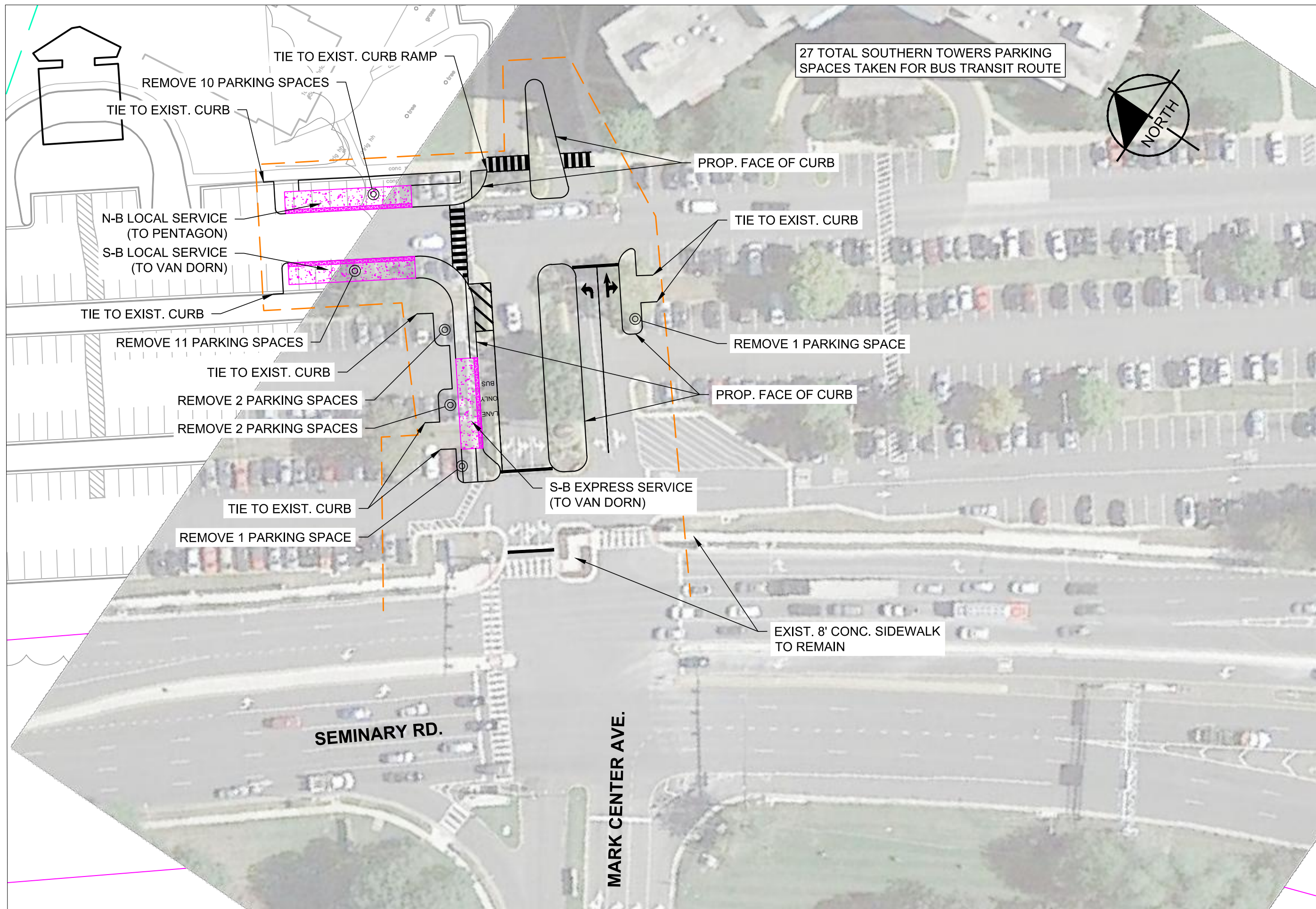
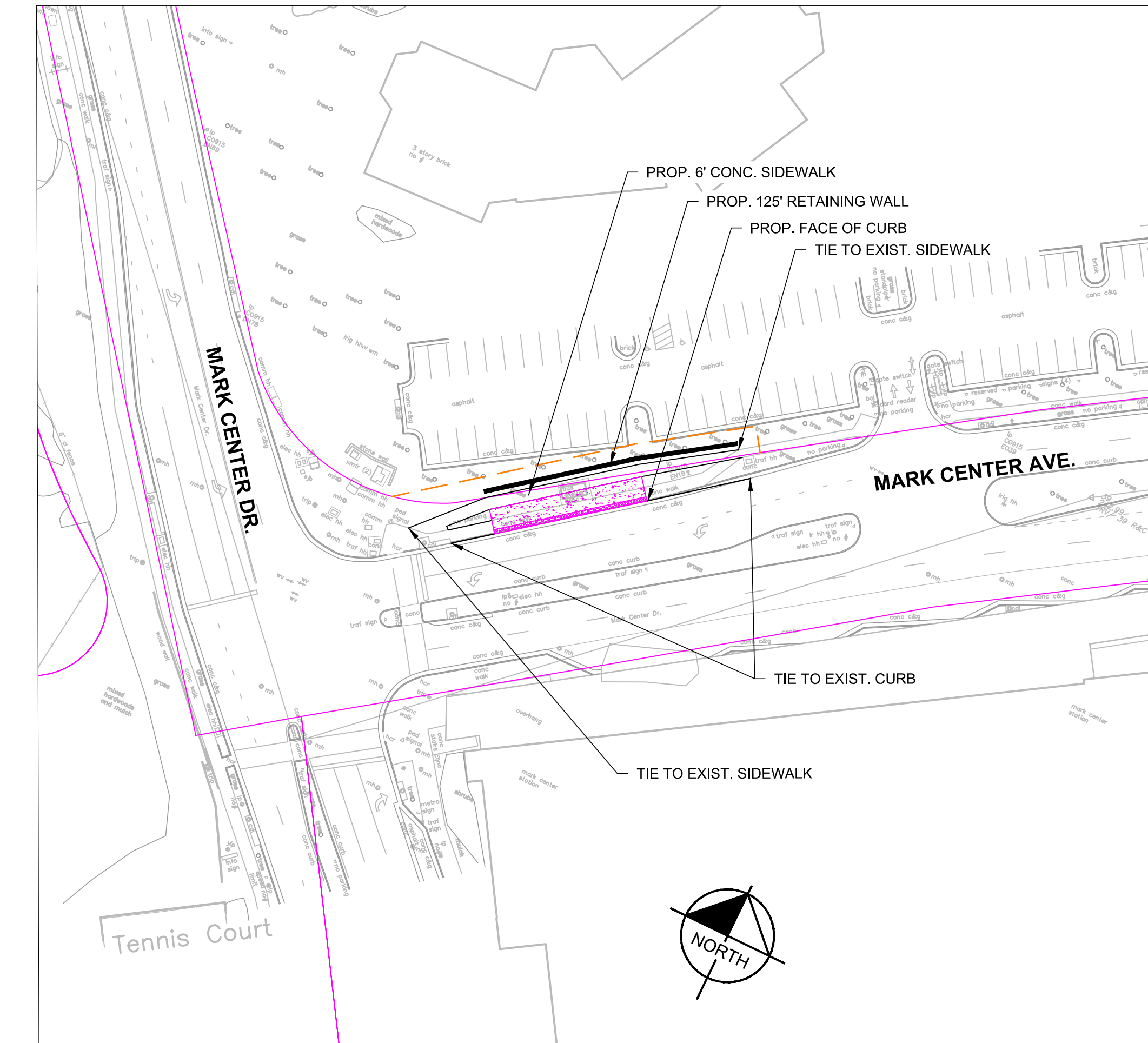
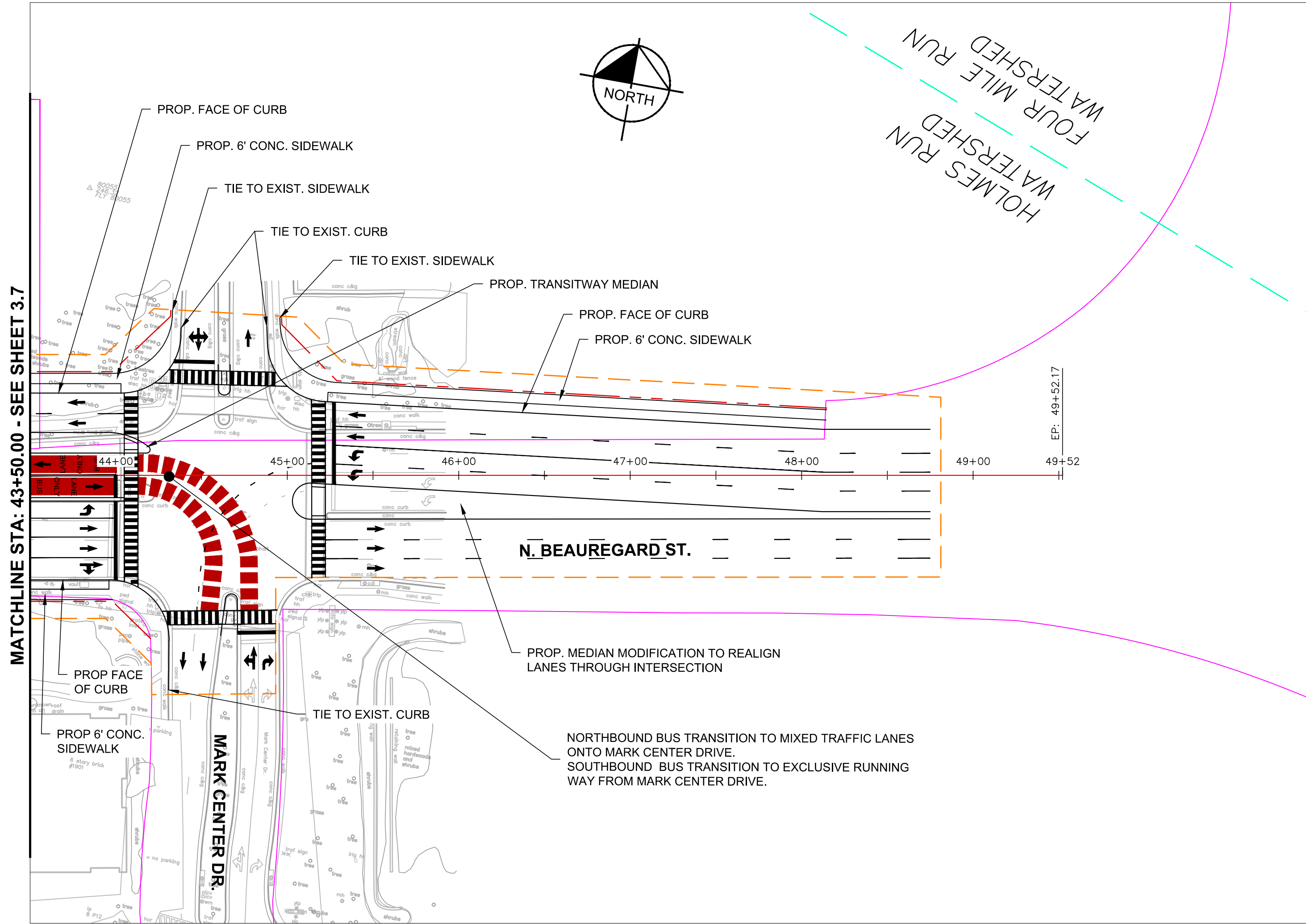
KHA PROJECT 110251003	DATE 1/19/2016	SCALE AS SHOWN	DESIGNED BY EJD	DRAWN BY EJD	CHECKED BY RDW	DATE:	REVISIONS	BY
GEOMETRIC PLAN SHEET BEAUREGARD ST.							No.	
WEST END TRANSITWAY PRELIMINARY DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA							DATE	
SHEET NUMBER 3.7 of 3.9							DATE	

11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191  
PHONE: 703-674-1300 FAX: 703-674-1350  
WWW.KIMLEY-HORN.COM

NOT FOR CONSTRUCTION



This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

PROP. CENTERLINE  
EXIST. PROPERTY LINE  
PROP. RIGHT-OF-WAY  
WATERSHED BOUNDARY  
LIMIT OF DISTURBANCE  
PROP. BRT STATION  
DEDICATED BUS LANE  
DEDICATED LANE SHIFT

GRAPHIC SCALE IN FEET  
0 25 50 100

NOTES

1. ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.

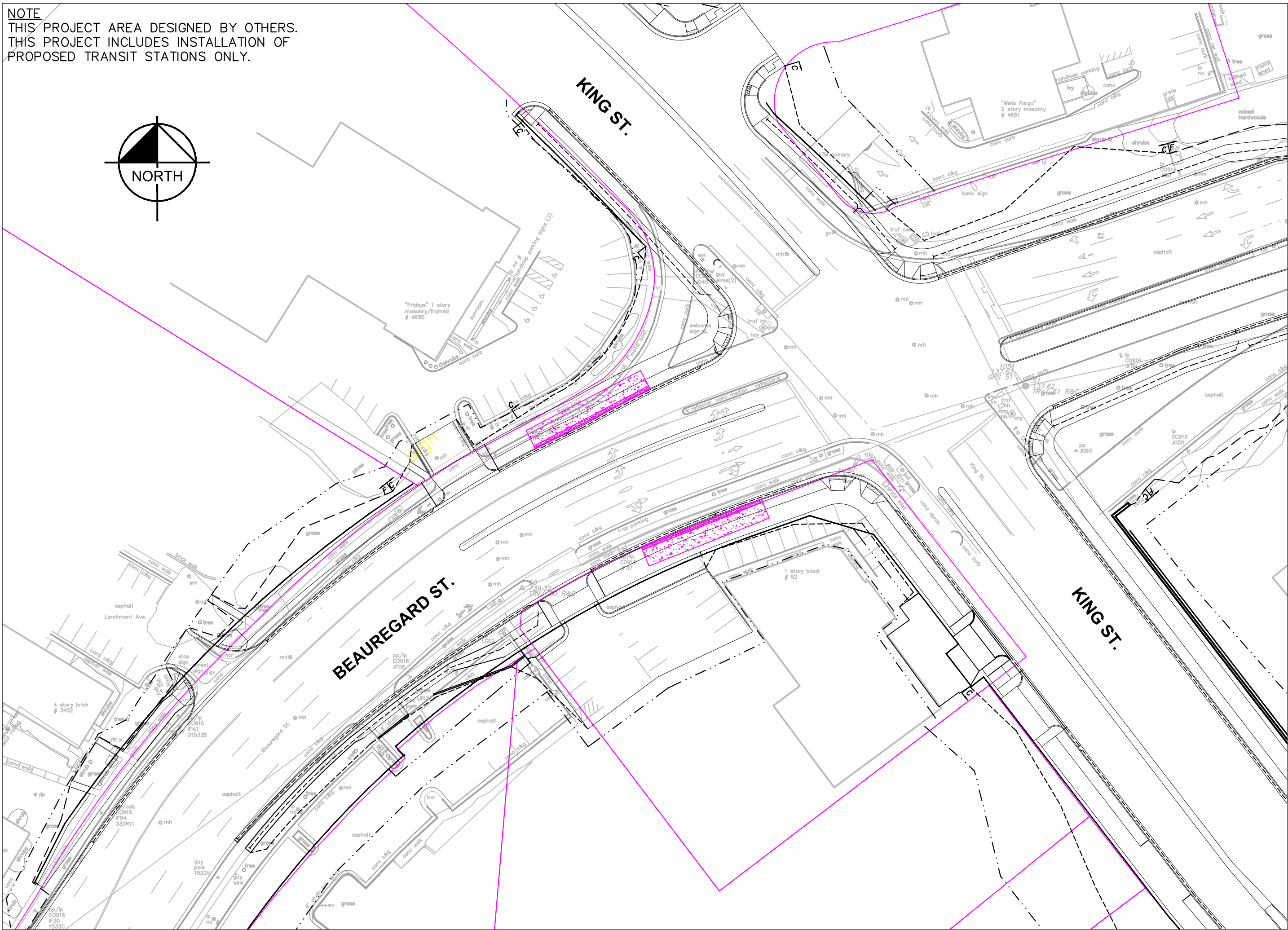
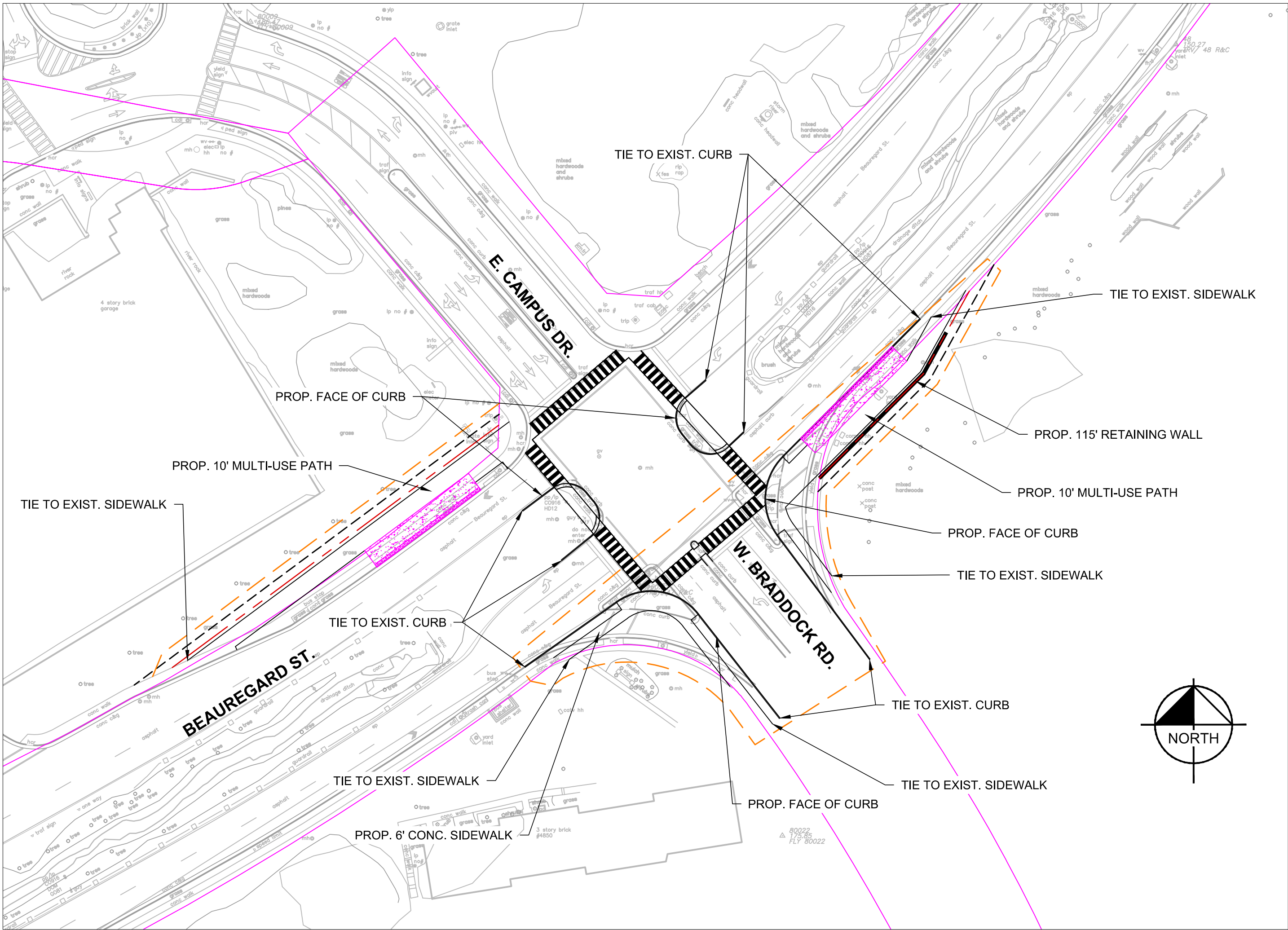
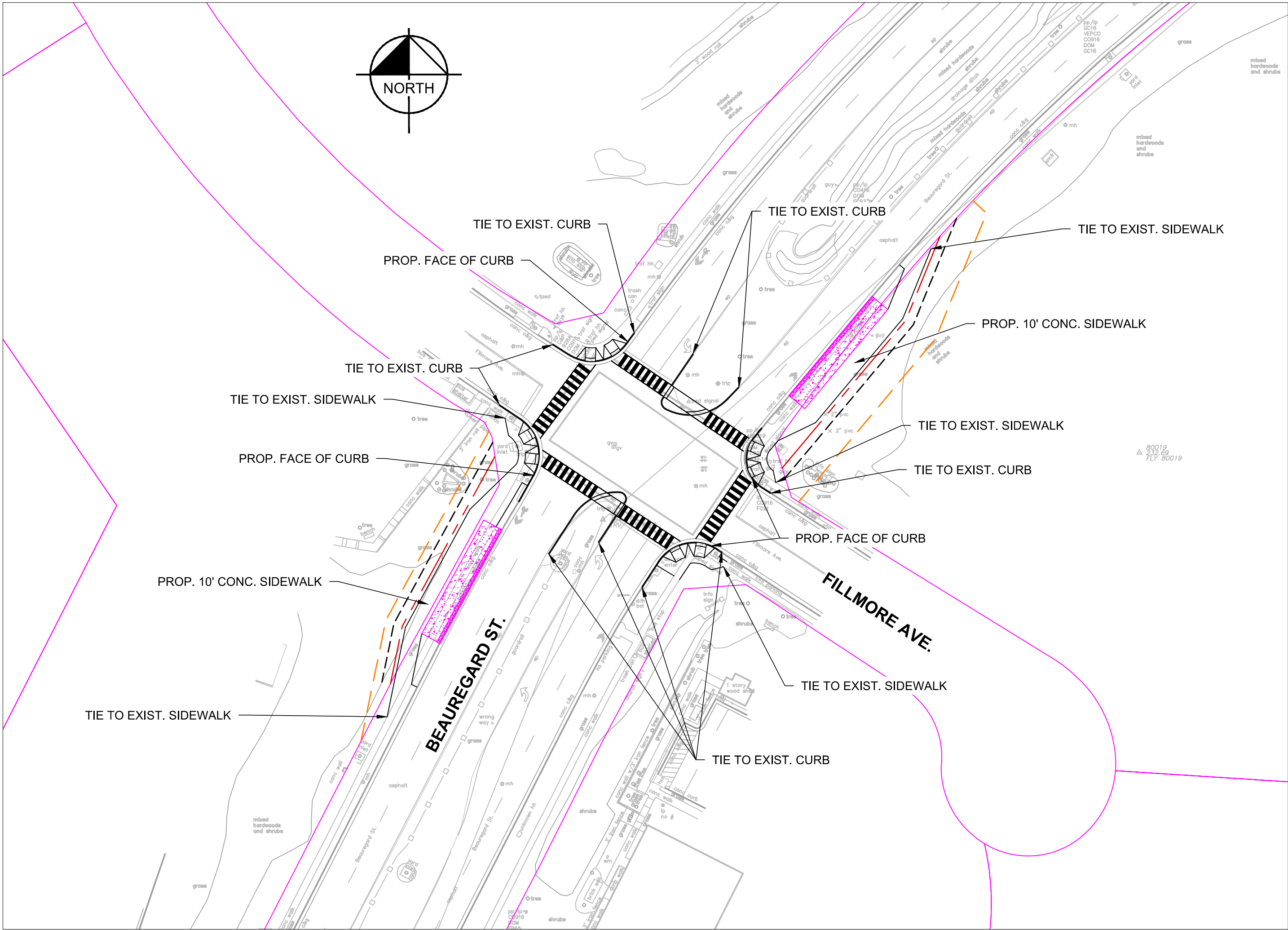
2. CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

SOUTHERN TOWERS - PREFERRED LAYOUT

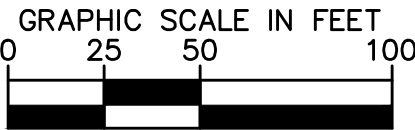
KHA PROJECT 110251003		DATE 2/11/2016		SCALE AS SHOWN		DESIGNED BY TD		DRAWN BY TD		CHECKED BY DW		LICENSED PROFESSIONAL		Kimley»Horn		11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191 PHONE: 703-674-1300 FAX: 703-674-1350 WWW.KIMLEY-HORN.COM		REVISIONS		BY DATE			
GEOMETRIC PLAN SHEET BEAUREGARD ST. / MARK CENTER AVE. / SOUTHERN TOWERS PREFERRED LAYOUT												WEST END TRANSITWAY CONCEPTUAL DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA											
SHEET NUMBER 3.8 of 3.9												NOT FOR CONSTRUCTION											



This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- LEGEND
- PROP. CENTERLINE
  - EXIST. PROPERTY LINE
  - PROP. RIGHT-OF-WAY
  - WATERSHED BOUNDARY
  - LIMIT OF DISTURBANCE
  - PROP. BRT STATION
  - DEDICATED BUS LANE
  - DEDICATED LANE SHIFT



- NOTES
1. ACCESS MANAGEMENT FOR PRIVATE AND COMMERCIAL DRIVEWAYS NOT SHOWN AT THIS STAGE OF DESIGN.
  2. CERTAIN DETAILS ARE NOT INCLUDED IN THESE PLANS DUE TO THE PRELIMINARY NATURE OF THE DESIGN. FURTHER DETAIL TO BE INCLUDED IN FUTURE DESIGN PLAN ITERATIONS.

KHA PROJECT 110251003		DATE 1/19/2016		SCALE AS SHOWN		DESIGNED BY EJD		DRAWN BY EJD		CHECKED BY RDW		DATE		BY	
GEOMETRIC PLAN SHEET BEAUREGARD ST.												WEST END TRANSITWAY PRELIMINARY DESIGN PLANS CITY OF ALEXANDRIA, VIRGINIA			
SHEET NUMBER 3.9 of 3.9												NOT FOR CONSTRUCTION			

**Kimley»Horn**

11400 COMMERCE PARK DR., SUITE 400, RESTON, VA 20191  
PHONE: 703-674-1300 FAX: 703-674-1350  
WWW.KIMLEY-HORN.COM